(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 26 May 2005 (26.05.2005)

PCT

(10) International Publication Number WO 2005/047989 A3

- (51) International Patent Classification⁷: G04B 19/18, 45/00, G04D 3/00, G04B 39/00, B23K 26/00
- (21) International Application Number:

PCT/IT2004/000618

(22) International Filing Date:

10 November 2004 (10.11.2004)

(25) Filing Language:

Italian

(26) Publication Language:

English

(30) Priority Data: IM2003A000011

12 November 2003 (12.11.2003)

- (71) Applicant and
- (72) Inventor: SCHIAVOLINI, Cosetta [IT/IT]; Via Firenze, 6, I-18039 Ventimiglia (IT).
- (74) Agents: CONCONE, Emanuele et al.; Società Italiana Brevetti S.p.A., Via Carducci, 8, I-20123 Milano (IT).

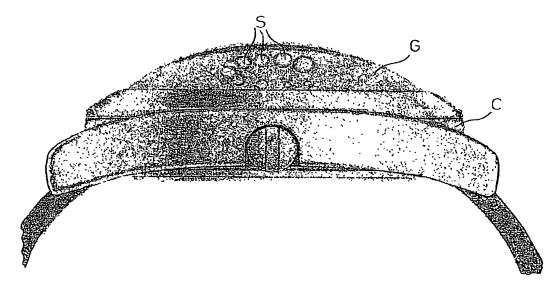
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

[Continued on next page]

(54) Title: HOROLOGY CRYSTAL WITH THREE-DIMENSIONAL DECORATION



(57) Abstract: A horology crystal (G) includes at least one portion having a minimum thickness of 3,5 mm in which there is formed a three-dimensional decoration that can be an internal laser engraving (S), a decorative item enclosed in the crystal (G) upon mould casting of the latter, or a plaquette of the same material of the crystal that is previously prepared with a print on the top surface and a print on the bottom surface and then subsequently integrated in the crystal (G) upon mould casting of the latter. Said horology crystal, preferably, has the shape of a spherical segment and is provided with a particular shaping along the bottom edge thereof and/or on the bottom, so that it can be removably mounted in the case (C) of a watch or wall/desktop clock. In this way it is possible to provide a much greater stand-out capacity to the decoration, with respect to the simple flat print on the dial, and said decoration can also be used to arrange the hour indicators on the watch, so that the dial can be simpler and cheaper in that it does not require the print or the small pieces usually applied thereon.

WO 2005/047989 A3



- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.
- (88) Date of publication of the international search report:

23 June 2005